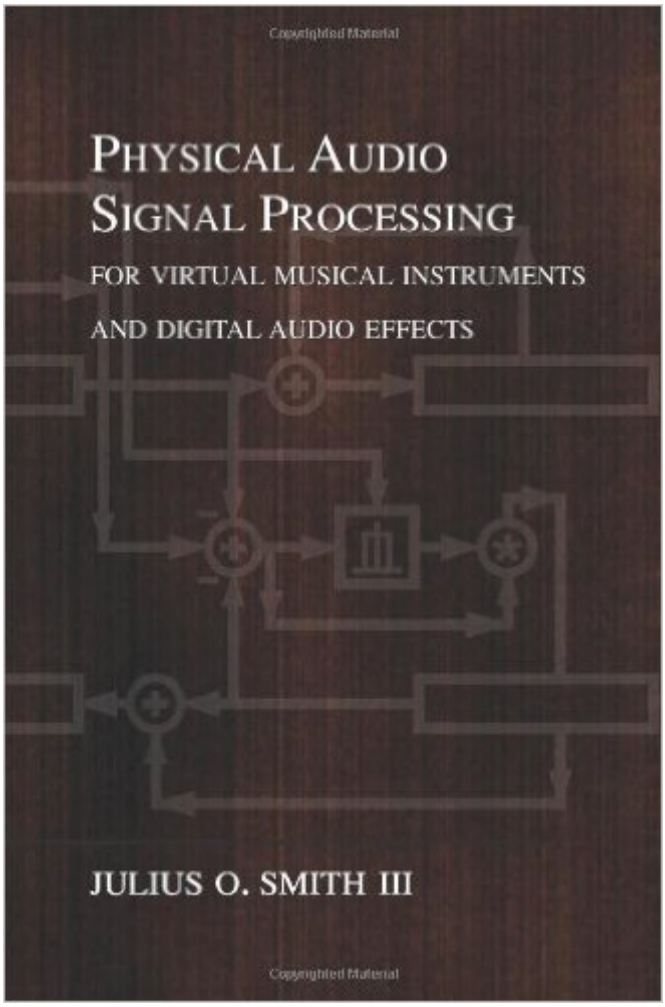
Physical Audio Signal Processing: For Virtual Musical Instruments And Digital Audio Effects



Synopsis

This book describes signal-processing models and methods that are used in constructing virtual musical instruments and audio effects. Specific topics considered include delay effects such as phasing, flanging, the Leslie effect, and artificial reverberation; virtual acoustic musical instruments such as guitars, pianos, bowed strings, woodwinds, and brasses; and various component technologies such as digital waveguide modeling, wave digital modeling, commuted synthesis, resonator factoring, feedback delay networks, digital interpolation, Doppler simulation, nonlinear elements, finite difference schemes, passive signal processing, and associated software.

Book Information

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Customer Reviews

Got this for my son for Christmas and he loves it!Great service...shipping/packing was great!Thank you!

Fantastic !!!

(teachers edition grade 6) (Prentice Hall and Texas Instruments Digital Signal Processing Series) Designing Audio Effect Plug-Ins in C++: With Digital Audio Signal Processing Theory Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series) Discrete-Time Signal Processing (3rd Edition) (Prentice-Hall Signal Processing Series) Speech and Audio Signal Processing: Processing and Perception of Speech and Music After Effects for Flash / Flash for After Effects: Dynamic Animation and Video with Adobe After Effects CS4 and Adobe Flash CS4 Professional Applications of Digital Signal Processing to Audio and Acoustics (The Springer International Series in Engineering and Computer Science) LabVIEW Digital Signal Processing: and Digital Communications Real Virtual en la estetica y la teoria de las artes/Real Virtual in the Esthetic and the Theory of the Arts (Paidos Estetica / Ethetics) (Spanish Edition) The Scientific Apparatus of Nicholas Callan and Other Historic Instruments (Catalogues of historic scientific instruments in Irish collections) Virtual Law: Navigating the Legal Landscape of Virtual Worlds ColonografÃ- a por TC: Principios y prÃ¡ctica de la colonoscopia virtual: Principios y prÃ¡ctica de la colonoscopia virtual (Spanish Edition) Principles of Digital Audio, Sixth Edition (Digital Video/Audio) Biosignal and Medical Image Processing (Signal Processing and Communications) Handbook of Neural Networks for Speech Processing (Artech House Signal Processing Library)